



Instructions for Using the Children's MVM Calculator

The calculator screen will show a **default** number for each ingredient for children's MVMs *for ages 4 and older*, indicating the *most common labeled level* and its predicted mean level, calculated using the regression equation for that ingredient. Also calculated are the standard errors for the mean and for an individual observation and the percent difference from label for the mean prediction. The calculator version for serving sizes *for ages 4 and older* is the version recommended for most research purposes, since it is the most common serving size for children's MVMs.

If you wish to obtain predictions for children's products labeled for serving sizes *ages 1 to <4*, click "Switch to Children Age 1 to <4" at the top left of the data entry screen. For more information about the statistical evaluation of children's data with two different age groups and serving sizes, see the *Children's MVM Research Summary* on the DSID website.


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Children Multivitamin/mineral Calculator for Ages 4 and Older

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Select Values to Save	Ingredient in DSID (Common Synonyms)	Labeled Amount Per Serving (Valid Range for Prediction)	Predicted Mean Value Per Serving	Standard Error for Predicted Mean	Standard Error for Predicted Observation	Percent Difference From Label for Predicted Mean
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Use the label information from the supplement container to enter the specific ingredient amount per serving (not the % Daily Value) for the age group and serving size corresponding to the calculator that you are using.

Supplement Facts		
Serving Size	1/2 Tablet	1 Tablet
Servings Per Container	200	100
Amount Per Tablet	%DV for Children 2 and 3 years (1/2 Tablet)	%DV for Children 4 years and older (1 Tablet)
Calories 5		
Total Carbohydrate <1 g	*	<1%†
Sugars <1 g	*	*
Vitamin A 3,500 IU (29% as Beta-Carotene)	70%	70%
Vitamin C 60 mg	75%	100%
Vitamin D 400 IU	50%	100%
Vitamin E 30 IU	150%	100%
	*	12%

1. Enter values for any or all 16 ingredients within the range listed below each box.
Press the 'tab' key on your keyboard or click outside the box to view entered data.
Your calculated results, including your entered data, will appear in **red**.



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Select Values to Save	Ingredient in DSID (Common Synonyms)	Labeled Amount Per Serving (Valid Range for Prediction)	Predicted Mean Value Per Serving	Standard Error for Predicted Mean	Standard Error for Predicted Observation	Percent Difference From Label for Predicted Mean
<input checked="" type="checkbox"/>	VITAMIN A	<input type="text" value="3500"/> IU (1500 - 5000)	3940 IU	130	980	12.7%
<input type="checkbox"/>	VITAMIN D	<input type="text" value="400"/> IU (50 - 400)	544 IU	15	120	36.0%
<input type="checkbox"/>	VITAMIN E (dl-alpha tocopherol, d-alpha tocopherol)	<input type="text" value="30"/> IU (7.5 - 40)	33.1 IU	1.2	6.7	10.5%

NOTE: If the values entered are outside the range indicated in the brackets, then a message which says "Outside Range" will appear.

<input checked="" type="checkbox"/>	THIAMIN (vitamin B-1)	<input type="text" value="0.5"/> mg (0.75 - 5)	Outside Range	--	--	--
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2. Select the 'Save' link near the top of the page.



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Select Values to Save	Ingredient in DSID (Common Synonyms)	Labeled Amount Per Serving (Valid Range for Prediction)	Predicted Mean Value Per Serving	Standard Error for Predicted Mean	Standard Error for Predicted Observation	Percent Difference From Label for Predicted Mean
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3. Assign a profile name to each set of calculations.

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Select Values to Save	Ingredient in DSID (Common Synonyms)	Labeled Amount Per Serving (Valid Range for Prediction)	Predicted Mean Value Per Serving	Standard Error for Predicted Mean	Standard Error for Predicted Observation	Percent Difference From Label for Predicted Mean
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<input type="checkbox"/>	VITAMIN E (dl-alpha tocopherol, d-alpha tocopherol)	<input type="text" value="30"/> IU (7.5 - 40)	33.1 IU	1.2	6.7	10.5%
<input type="checkbox"/>	(vitamin B-2)	<input type="text" value="1.00"/> mg (0.85 - 5)	1.00 mg	0.020	0.21	8.57%
<input type="checkbox"/>	NIACIN (vitamin B-3)	<input type="text" value="13.5"/> mg (2.5 - 25)	14.4 mg	0.14	1.0	6.49%

Assign a name for this profile of calculations.

Profile Name:

There are some fields unchanged. Do you want to include default values, or save checked data only?


[Include Default Values](#) | [Save Checked Data Only](#) | [Cancel](#)

DSID


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- Choose either 'Include Default Values' (to include the original values shown on the data entry screen plus the data you changed) or 'Save Checked Data Only' (to include only the data you changed) to save your profile. You can generate multiple sets of calculations (profiles) within one file.
- To add an additional profile to the same file, select 'Add a New Profile' above the columns on the review page. **[NOTE:** In order to save these files onto your computer, your browser security settings must be configured to allow cookies.]



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Stored Profiles

This page lists all profiles you want to save. Click "Restart" to remove all these profiles and restart the procedure; click "Add A New Profile" to generate a new profile; click "Download" link to export them into a Microsoft Excel file.


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Name	DSID Calculator	Details						
		Nutrient	Labeled Amount Per Serving	Predicted Mean Value Per Serving	Standard Error for Predicted Mean	Standard Error for Predicted Observation	Percent Difference From Label for Predicted Mean	
686463	MVM_CHILD_4PLUS							remove profile
		VITAMIN A	3500 IU	3940	130	980	12.7%	
		VITAMIN D	400 IU	544	15	120	36.0%	
		VITAMIN E	30 IU	33.1	1.2	6.7	10.5%	
		THIAMIN	1.5 mg	1.63	0.032	0.23	8.57%	

- In the next window, view your results and save them as an Excel file (.xls) by selecting 'Download' and filling in the name of your file.



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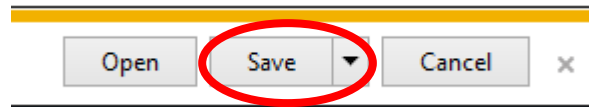
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Name	DSID Calculator	Details						
		Nutrient	Labeled Amount Per Serving	Predicted Mean Value Per Serving	Standard Error for Predicted Mean	Standard Error for Predicted Observation	Percent Difference From Label for Predicted Mean	
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		VITAMIN E	30 IU	33.1	1.2	6.7	10.5%	
		THIAMIN	1.5 mg	1.63	0.032	0.23	8.57%	

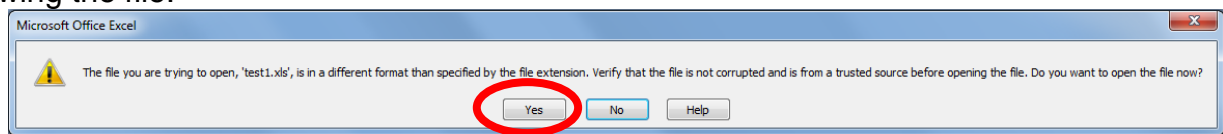
7. After clicking download, the Excel file will be in the “downloads” folder or if you are using Internet Explorer web browser, you have to option to save it to a specific folder (see below). To open the downloaded file, go to the directory on your computer where the file was saved (or the ‘downloads’ folders) and open using Microsoft Excel. Once the file is saved, it can be manually modified and sorted.

***Internet Explorer Users:**

Click the arrow next to save, then click save to choose a folder for the file (i.e, My Documents).



NOTE: When opening downloaded files in Microsoft Excel, you may receive this warning message. The warning message states “*The file you are trying to open, “file.xls,” is in a different format than specified by the file extension. Verify that the file is not corrupted and is from a trusted source before opening the file. Do you want to open the file now?*” Please note the warning does not affect the file and click ‘Yes’ to continue viewing the file.



Although the warning message does not affect the file, users who wish to remove the warning can follow these instructions:

To remove error message from DSID file downloads:

This fix will lower the security setting for Windows 7, Excel 07 from the default “1” to “0”:

Step 1. Click Start Button in Windows 7

Step 2. Enter regedit in search window, then click Enter

Step 3. Go to path:

HKEY_CURRENT_USER\Software\Microsoft\Office\12.0\Excel\Security

Step 4. Click Edit > New > DWORD (32-bit) Value

Step 5. Enter ExtensionHardening for the name of file created

Step 6. Right click the file “Extensionhardening”, then click “Modify...”

Step 7. A dialog appears, enter 0 for the “Value data:”

Step 8. Click Ok, and then click Exit in the file from the menu.

8. When reviewing the file in Microsoft Excel, please note that all numbers are **stored as text**. If you wish to convert them to number before modifying the data, highlight the rows you wish to convert, click on the yellow diamond to get the drop down menu and choose 'Convert to Number'.

Profile Name	DSID Calculator	Nutrient	Unit	Labeled Amount Per Serving	Predicted Mean Value Per Serving	Standard Error for Predicted Mean	Standard Error for Predicted Observation	Percent Difference From Label for Predicted Mean
686463	MVM CHIL	VITAMIN A	IU	3500	3940	130	980	12.7
686463	MVM CHIL	VITAMIN D	IU	400	544	15	120	
686463	MVM CHIL	VITAMIN E	IU	30	33.1	1.2	6.7	
686463	MVM CHIL	THIAMIN	mg	1.5	1.63	0.032	0.23	
686463	MVM CHIL	RIBOFLAVIN	mg	1.7	1.80	0.028	0.21	
686463	MVM CHIL	NIACIN	mg	13.5	14.4	0.14	1.0	
686463	MVM CHIL	VITAMIN B-6	mg	2	2.13	0.046	0.27	
686463	MVM CHIL	FOLIC ACID	mcg	400	470	15	110	
686463	MVM CHIL	VITAMIN B-12	mcg	6	6.93	0.16	1.3	
686463	MVM CHIL	CALCIUM	mg	100	119	2.2	13	19.1
686463	MVM CHIL	IRON	mg	18	18.4	0.24	1.2	2.02
686463	MVM CHIL	PHOSPHORU	mg	100	103	1.9	8.1	2.99
686463	MVM CHIL	IODINE	mcg	150	187	8.6	43	24.9
686463	MVM CHIL	MAGNESIUM	mg	20	20.9	0.16	1.2	4.51
686463	MVM CHIL	ZINC	mg	12	12.1	0.27	1.4	0.549
686463	MVM CHIL	COPPER	mg	2	2.13	0.030	0.18	6.39

9. To start a new profile, click 'Restore Default' to change all values back to the original data values before any changes were made.



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<input type="checkbox"/>	VITAMIN D	400 IU (50 - 400)	544 IU	15	120	36.0%
<input type="checkbox"/>	VITAMIN E (dl-alpha tocopherol, d-alpha tocopherol)	30 IU (7.5 - 40)	33.1 IU	1.2	6.7	10.5%

NOTE: Predictions generated from the MVM Ingredient Calculators are estimates and are valid only for interpretation as indicated in the DSID documentation.